

Siddharth Tiwari

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38 papers	808 citations	14 h-index	28 g-index
40 ext. papers	1,111 ext. citations	4.3 avg, IF	4.19 L-index

#	Paper	IF	Citations
38	Plants as bioreactors for the production of vaccine antigens. <i>Biotechnology Advances</i> , 2009 , 27, 449-67	17.8	146
37	CRISPR/Cas9-mediated efficient editing in phytoene desaturase (PDS) demonstrates precise manipulation in banana cv. Rasthali genome. <i>Functional and Integrative Genomics</i> , 2018 , 18, 89-99	3.8	126
36	Silencing of ABCC13 transporter in wheat reveals its involvement in grain development, phytic acid accumulation and lateral root formation. <i>Journal of Experimental Botany</i> , 2016 , 67, 4379-89	7	63
35	CRISPR/Cas9 directed editing of lycopene epsilon-cyclase modulates metabolic flux for β -carotene biosynthesis in banana fruit. <i>Metabolic Engineering</i> , 2020 , 59, 76-86	9.7	61
34	RNAi-Mediated Downregulation of Inositol Pentakisphosphate Kinase () in Wheat Grains Decreases Phytic Acid Levels and Increases Fe and Zn Accumulation. <i>Frontiers in Plant Science</i> , 2018 , 9, 259	6.2	60
33	Differential expression of structural genes for the late phase of phytic acid biosynthesis in developing seeds of wheat (<i>Triticum aestivum</i> L.). <i>Plant Science</i> , 2014 , 224, 74-85	5.3	47
32	Expression of a synthetic cry1EC gene for resistance against <i>Spodoptera litura</i> in transgenic peanut (<i>Arachis hypogaea</i> L.). <i>Plant Cell Reports</i> , 2008 , 27, 1017-25	5.1	43
31	Genome-Wide Identification and Expression Analysis of Homeodomain Leucine Zipper Subfamily IV (HDZ IV) Gene Family from <i>Musa accuminata</i> . <i>Frontiers in Plant Science</i> , 2016 , 7, 20	6.2	27
30	Mutated TATA-box/TATA binding protein complementation system for regulated transgene expression in tobacco. <i>Plant Journal</i> , 2007 , 50, 917-25	6.9	24
29	Rabies glycoprotein fused with B subunit of cholera toxin expressed in tobacco plants folds into biologically active pentameric protein. <i>Protein Expression and Purification</i> , 2010 , 70, 184-90	2	23
28	Regulation of Banana Phytoene Synthase (MaPSY) Expression, Characterization and Their Modulation under Various Abiotic Stress Conditions. <i>Frontiers in Plant Science</i> , 2017 , 8, 462	6.2	22
27	Genome-wide analysis of transcription factors during somatic embryogenesis in banana (<i>Musa</i> spp.) cv. Grand Naine. <i>PLoS ONE</i> , 2017 , 12, e0182242	3.7	21
26	Expression of Endotoxin Cry1EC from an inducible promoter confers insect protection in peanut (<i>Arachis hypogaea</i> L.) plants. <i>Pest Management Science</i> , 2011 , 67, 137-45	4.6	19
25	Optimization of factors for efficient recovery of transgenic peanut (<i>Arachis hypogaea</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2012 , 109, 111-121	2.7	16
24	Characterization and Expression Analysis of Phytoene Synthase from Bread Wheat (<i>Triticum aestivum</i> L.). <i>PLoS ONE</i> , 2016 , 11, e0162443	3.7	14
23	High level expression of a functionally active cholera toxin B: rabies glycoprotein fusion protein in tobacco seeds. <i>Plant Cell Reports</i> , 2009 , 28, 1827-36	5.1	13
22	Factors promoting efficient in vitro regeneration from de-embryonated cotyledon explants of <i>Arachis hypogaea</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2007 , 92, 15-24	2.7	12

21	Multiple shoot regeneration in seed-derived immature leaflet explants of peanut (<i>Arachis hypogaea</i> L.). <i>Scientia Horticulturae</i> , 2009 , 121, 223-227	4.1	11
20	In silico genome-wide identification and characterization of the glutathione S-transferase gene family in <i>Vigna radiata</i> . <i>Genome</i> , 2018 , 61, 311-322	2.4	10
19	Biochemical characterization and spatio-temporal expression of myo-inositol oxygenase (MIOX) from wheat (<i>Triticum aestivum</i> L.). <i>Plant Gene</i> , 2015 , 4, 10-19	3.1	9
18	Optimization of regeneration and <i>Agrobacterium</i> -mediated transformation of <i>Stevia</i> (<i>Stevia rebaudiana</i> Bertoni): a commercially important natural sweetener plant. <i>Scientific Reports</i> , 2020 , 10, 16224	4.9	8
17	Provitamin A Enrichment for Tackling Malnutrition 2016 , 277-299		7
16	Enhanced <i>Agrobacterium</i> -mediated transformation efficiency of banana cultivar Grand Naine by reducing oxidative stress. <i>Scientia Horticulturae</i> , 2019 , 246, 675-685	4.1	6
15	Functional characterization of wheat myo-inositol oxygenase promoter under different abiotic stress conditions in <i>Arabidopsis thaliana</i> . <i>Biotechnology Letters</i> , 2020 , 42, 2035-2047	3	5
14	Identification and expression analysis of genes involved in somatic embryogenesis of banana. <i>Acta Physiologiae Plantarum</i> , 2018 , 40, 1	2.6	4
13	Comparative transcriptome analysis of unripe and ripe banana (cv. Nendran) unraveling genes involved in ripening and other related processes. <i>PLoS ONE</i> , 2021 , 16, e0254709	3.7	3
12	A bidirectional promoter from Papaya leaf crumple virus functions in both monocot and dicot plants. <i>Physiological and Molecular Plant Pathology</i> , 2019 , 108, 101423	2.6	2
11	CRISPR/Cas9 mediated genome engineering in microbes and its application in plant beneficial effects 2020 , 351-359		1
10	Genome-Wide Identification and Analysis of GHMP Kinase Gene Superfamily in Bread Wheat (<i>Triticum aestivum</i> L.). <i>Plant Molecular Biology Reporter</i> , 2020 , 39, 455	1.7	1
9	Wheat TaVIT2D restores phenotype and mediates iron homeostasis during growth of <i>Arabidopsis thaliana</i> in iron-deficient conditions. <i>Plant Physiology Reports</i> , 2019 , 24, 24-34	1.4	1
8	Development of Herbicide-Resistant Transgenic <i>Stevia</i> (<i>Stevia rebaudiana</i> Bertoni) as an Effective Weed-Management Strategy in <i>Stevia</i> Cultivation. <i>Sugar Tech</i> , 1	1.9	1
7	Contribution of Crop Biofortification in Mitigating Vitamin Deficiency Globally 2021 , 112-130		1
6	Metabolic engineering in food crops to enhance ascorbic acid production: crop biofortification perspectives for human health.. <i>Physiology and Molecular Biology of Plants</i> , 2022 , 1-14	2.8	1
5	Fruit crops improvement using CRISPR/Cas9 system 2020 , 131-145		0
4	Global Scenario of Vitamin Deficiency and Human Health 2020 , 199-220		0

- 3 Carotenoid cleavage dioxygenases (HD-CCD1A and B) contribute as strong negative regulators of β -carotene in Indian bread wheat (cv. HD2967). *3 Biotech*, **2021**, 11, 221 2.8 ○
- 2 Correlation of carotenoid accumulation and expression pattern of carotenoid biosynthetic pathway genes in Indian wheat varieties. *Journal of Cereal Science*, **2021**, 102, 103303 3.8 ○
- 1 Microbe-Mediated Genetic Engineering for Enhancement of Nutritional Value in Food Crops. *Environmental and Microbial Biotechnology*, **2020**, 19-53 1.4